



# **HIV IN THE WESTERN REGION: AN EPIDEMIOLOGICAL PROFILE**

**WESTERN RAC MEETING  
APRIL 22, 2014**

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Prevention and Health Promotion Administration**



# MISSION AND VISION

## MISSION

- The mission of the Prevention and Health Promotion Administration is to protect, promote and improve the health and well-being of all Marylanders and their families through provision of public health leadership and through community-based public health efforts in partnership with local health departments, providers, community based organizations, and public and private sector agencies, giving special attention to at-risk and vulnerable populations.

## VISION

- The Prevention and Health Promotion Administration envisions a future in which all Marylanders and their families enjoy optimal health and well-being.



# National Data

# U.S. Prevalence



## **HIV** Surveillance **Report** Supplemental Report

Volume 18, Number 5

**Monitoring Selected National  
HIV Prevention and Care Objectives  
by Using HIV Surveillance Data—  
United States and  
6 Dependent Areas—2011**

National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention  
Division of HIV/AIDS Prevention

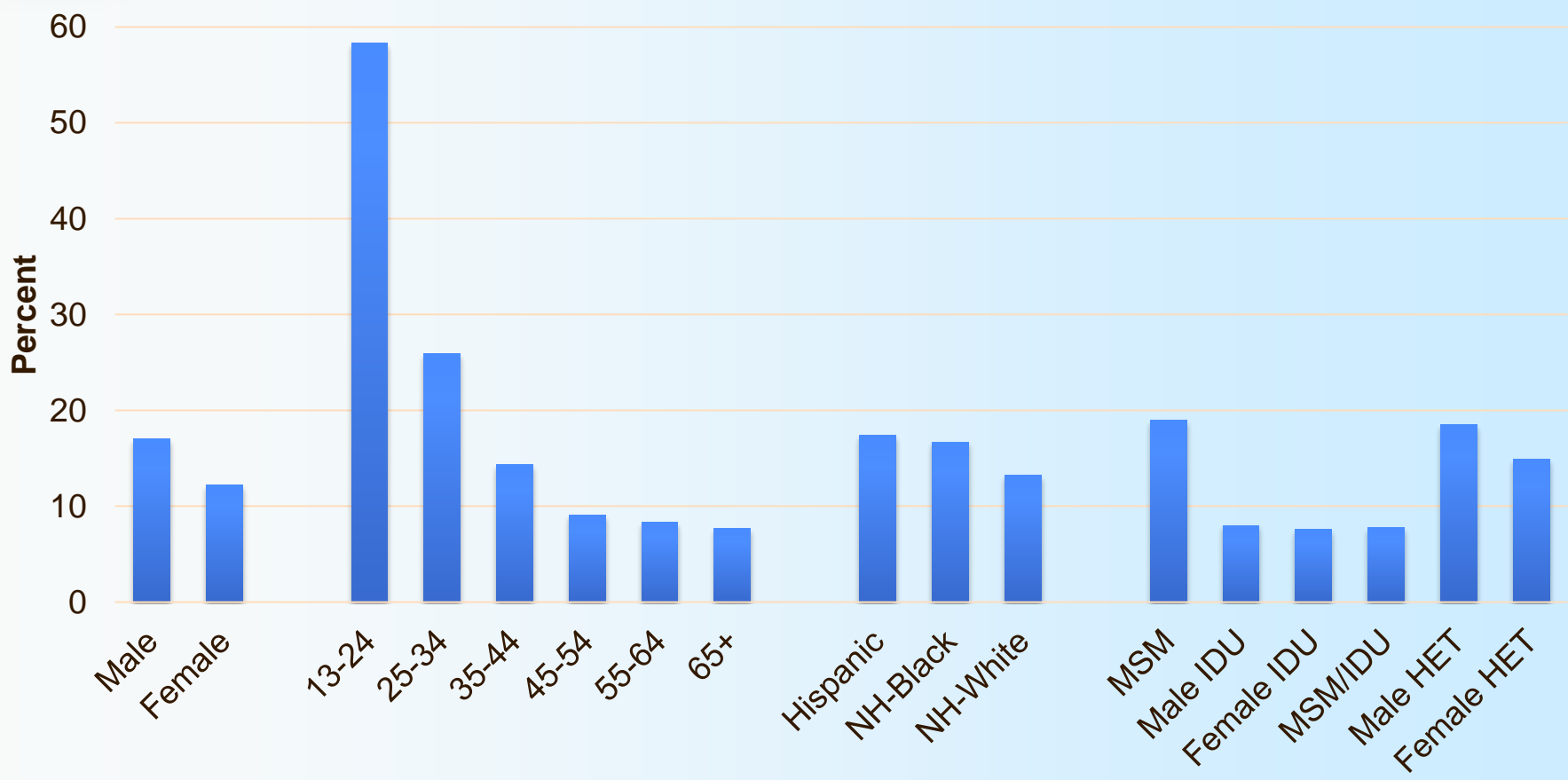


- CDC estimated 1,144,500 adults/adolescents were living with HIV at the end of 2010
- 15.8% were undiagnosed



# Undiagnosed Infections

Estimated percent undiagnosed HIV infections, U.S., age 13+, 2010





# Estimated HIV Diagnoses during 2011, Ranked by Rates

<u>STATE/TERRITORY</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. District of Columbia	962	155.6
2. Virgin Islands	35	33.0
<b>3. Maryland</b>	<b>1,783</b>	<b>30.6</b>
4. Louisiana	1,381	30.2
5. Florida	5,408	28.4
6. Georgia	2,522	25.7
7. New York	4,960	25.5
8. Puerto Rico	888	24.0
9. Mississippi	617	20.7
10. Texas	5,065	19.7
<hr/>		
<i>United States</i>	<i>50,199</i>	<i>15.9</i>

# Estimated HIV Diagnoses during 2011, Ranked by Rates



<u>METROPOLITAN AREA</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. Miami, FL	2,606	46.0
2. New Orleans-Metairie-Kenner, LA	513	43.0
3. Baton Rouge, LA	336	41.6
4. Jackson, MS	200	36.7
<b>5. Washington, DC-VA-MD-WV</b>	<b>1,969</b>	<b>34.5</b>
<b>6. Baltimore-Towson, MD</b>	<b>922</b>	<b>33.8</b>
7. Memphis, TN-MS-AR	433	32.6
8. Atlanta-Sandy Springs-Marietta, GA	1,626	30.3
9. New York, NY-NJ-PA	5,344	28.1
10. Jacksonville, FL	382	28.1
<hr/>		
<i>United States</i>	<i>50,161</i>	<i>15.9</i>

# MD STI Ranking



	2011			2012		
	MD Ranking	MD Rate	U.S. Rate	MD Ranking	MD Rate	U.S. Rate
Syphilis (primary & secondary)	<b>2<sup>nd</sup></b>	7.8 (452 cases)	4.5	<b>4<sup>th</sup></b>	7.4 (431 cases)	5.0
Congenital Syphilis	<b>2<sup>nd</sup></b>	31.1 (24 cases)	8.5	<b>5<sup>th</sup></b>	16.0 (12 cases)	7.8
Gonorrhea	<b>16<sup>th</sup></b>	111.9 (6,458 cases)	104.2	<b>22<sup>nd</sup></b>	97.6 (5,686 cases)	107.5
Chlamydia	<b>16<sup>th</sup></b>	471.3 (27,212 cases)	457.6	<b>21<sup>st</sup></b>	455.3 (26,534 cases)	456.7

Syphilis, gonorrhea, and chlamydia rates are cases per 100,000

Congenital syphilis rate is cases per 100,000 live births

Source: Centers for Disease Control and Prevention





# State Data

# Maryland Adult/Adolescent HIV Statistics

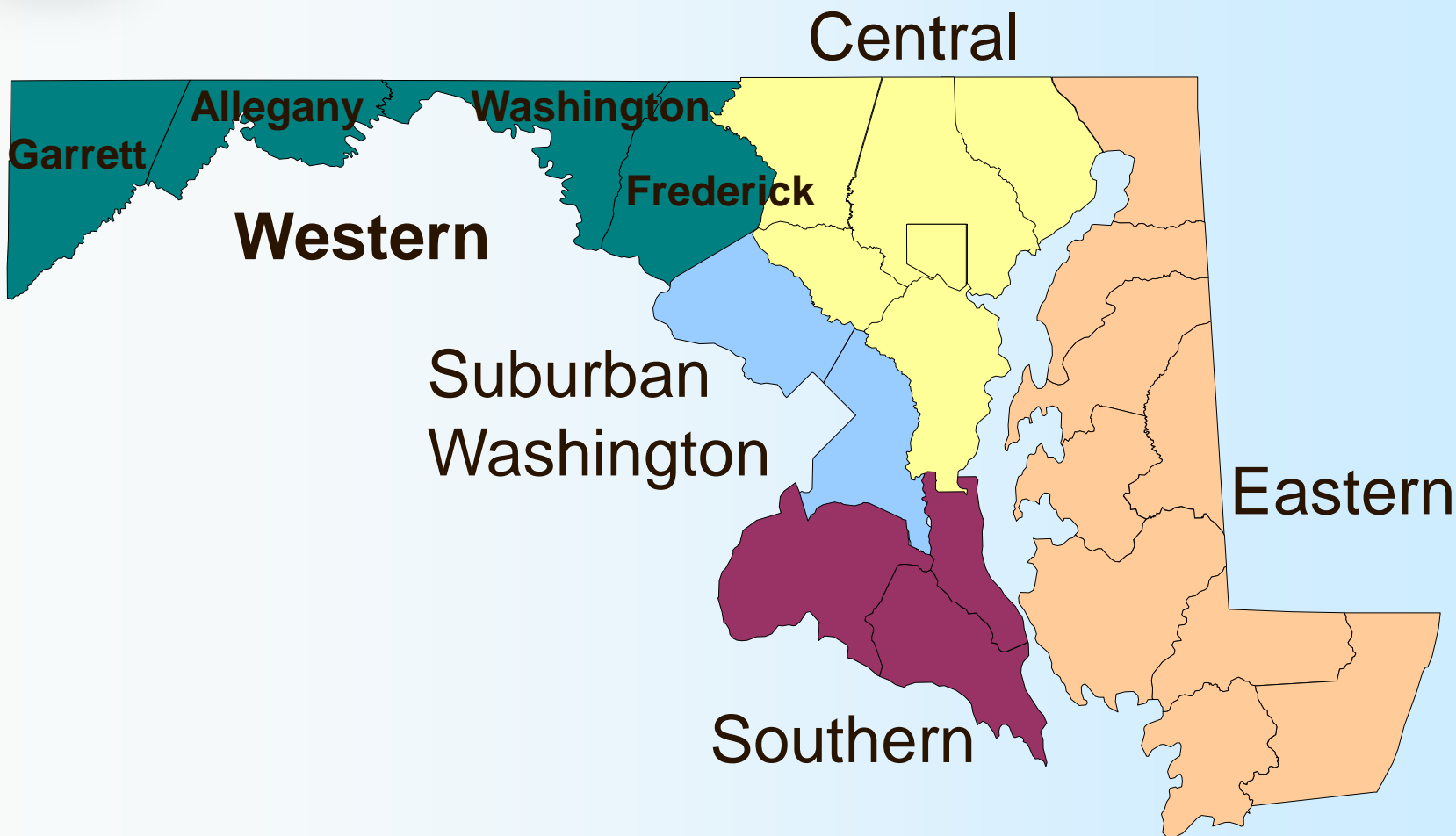


Reported Diagnoses (during 2012)	No.	per 100,000	
HIV	1,415	28.7	
AIDS	829	16.8	
Deaths Among AIDS Cases (during 2012)	No. 362		
Living Cases (on 12/31/12)	No.	per 100,000	1 in X
HIV without AIDS	12,928	262.6	
HIV with AIDS	16,050	326.0	
Total HIV	28,978	588.5	170

Using data as reported through 12/31/2013

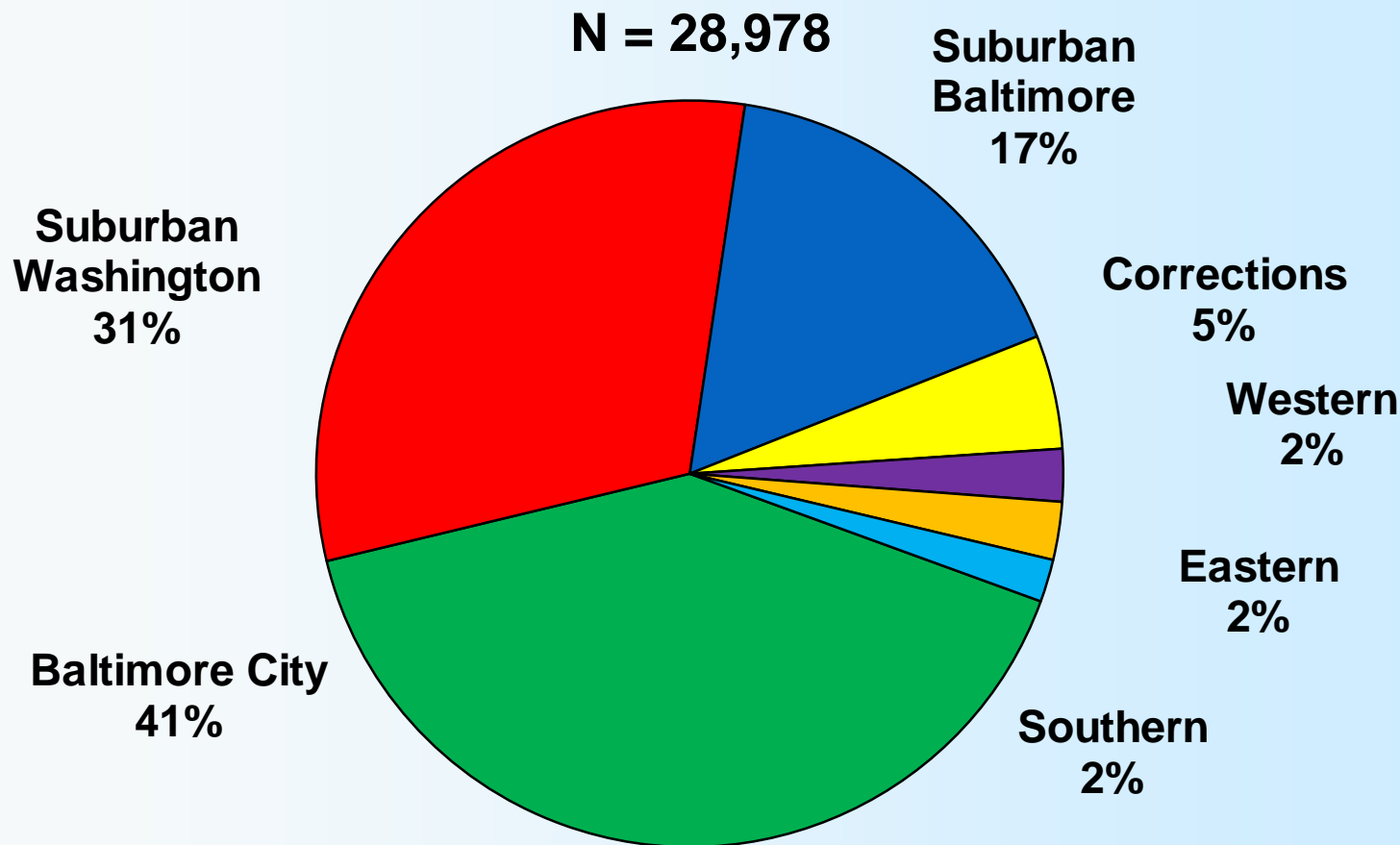


# Maryland Regional Advisory Committee Regions





# Maryland Adult/Adolescent Living HIV Cases by Region, 12/31/12



Using data as reported through 12/31/2013

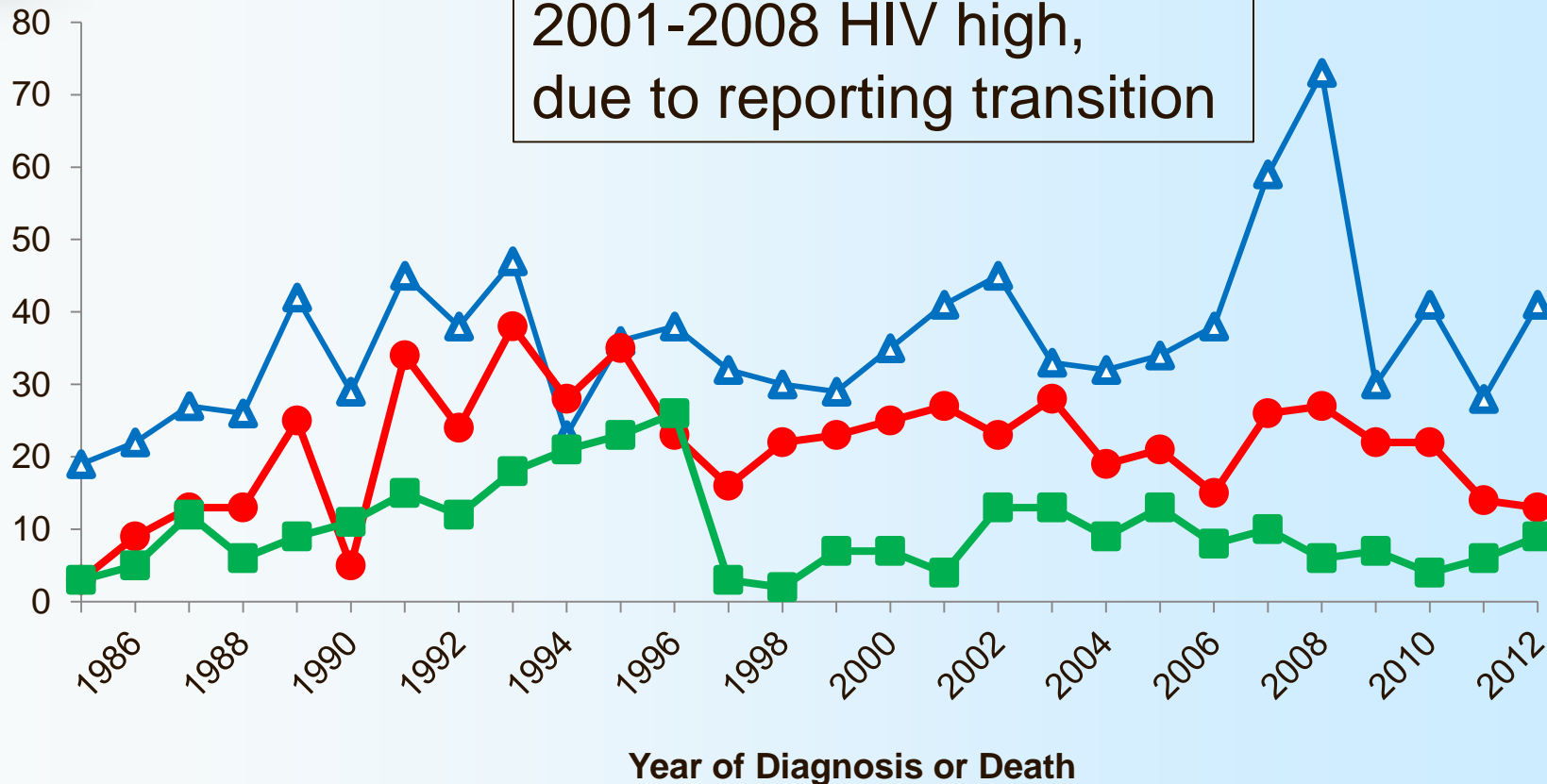


# Regional Data

# HIV/AIDS Trends Western Region



Number of Events



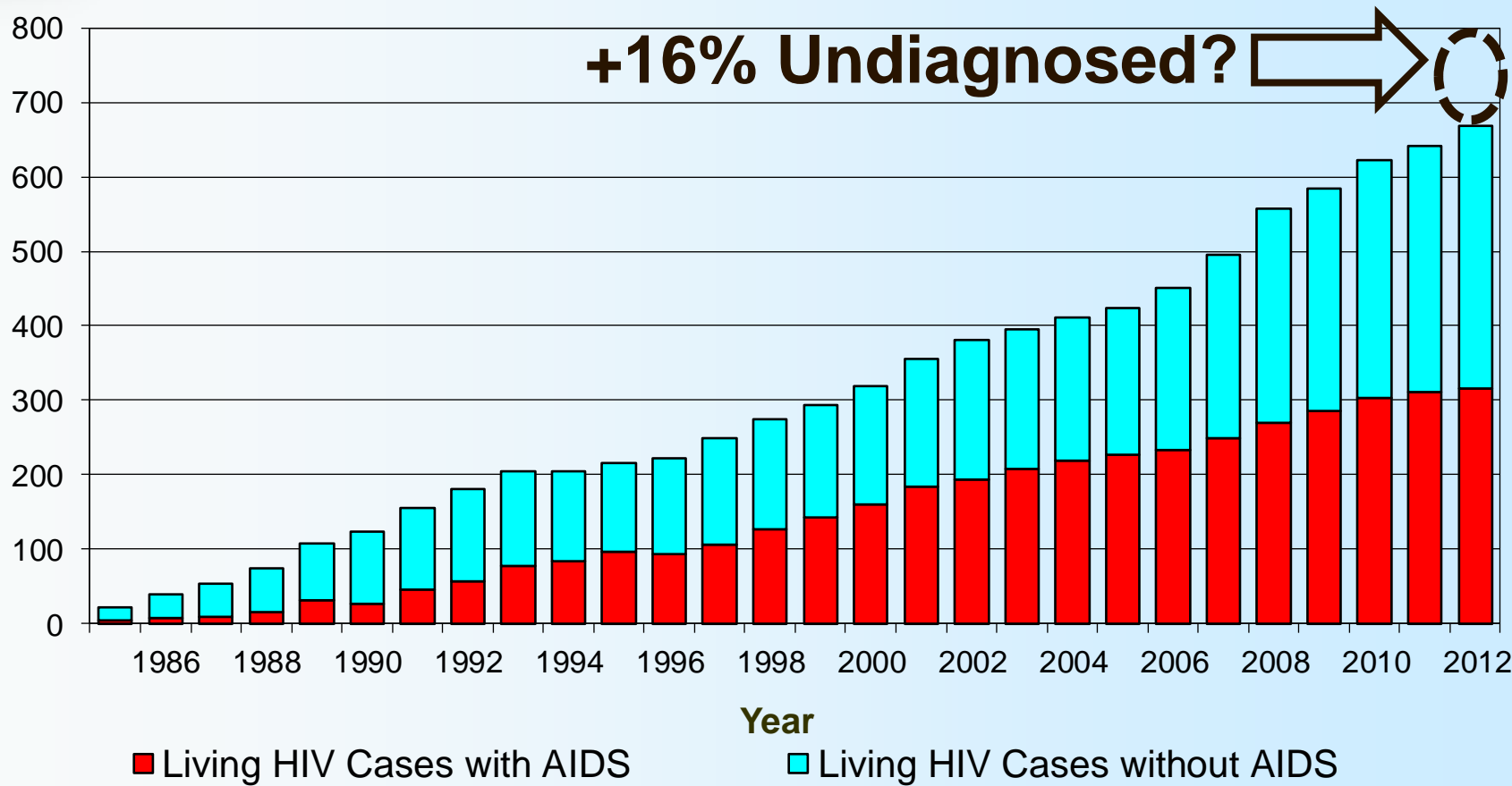
▲ Reported HIV Diagnoses ● Reported AIDS Diagnoses ■ Reported AIDS Deaths

Using data as reported through 12/31/2013

# Living HIV Cases Western Region



Number of Cases



Using data as reported through 12/31/2013

# HIV Statistics Adult/Adolescent Cases, Western Region



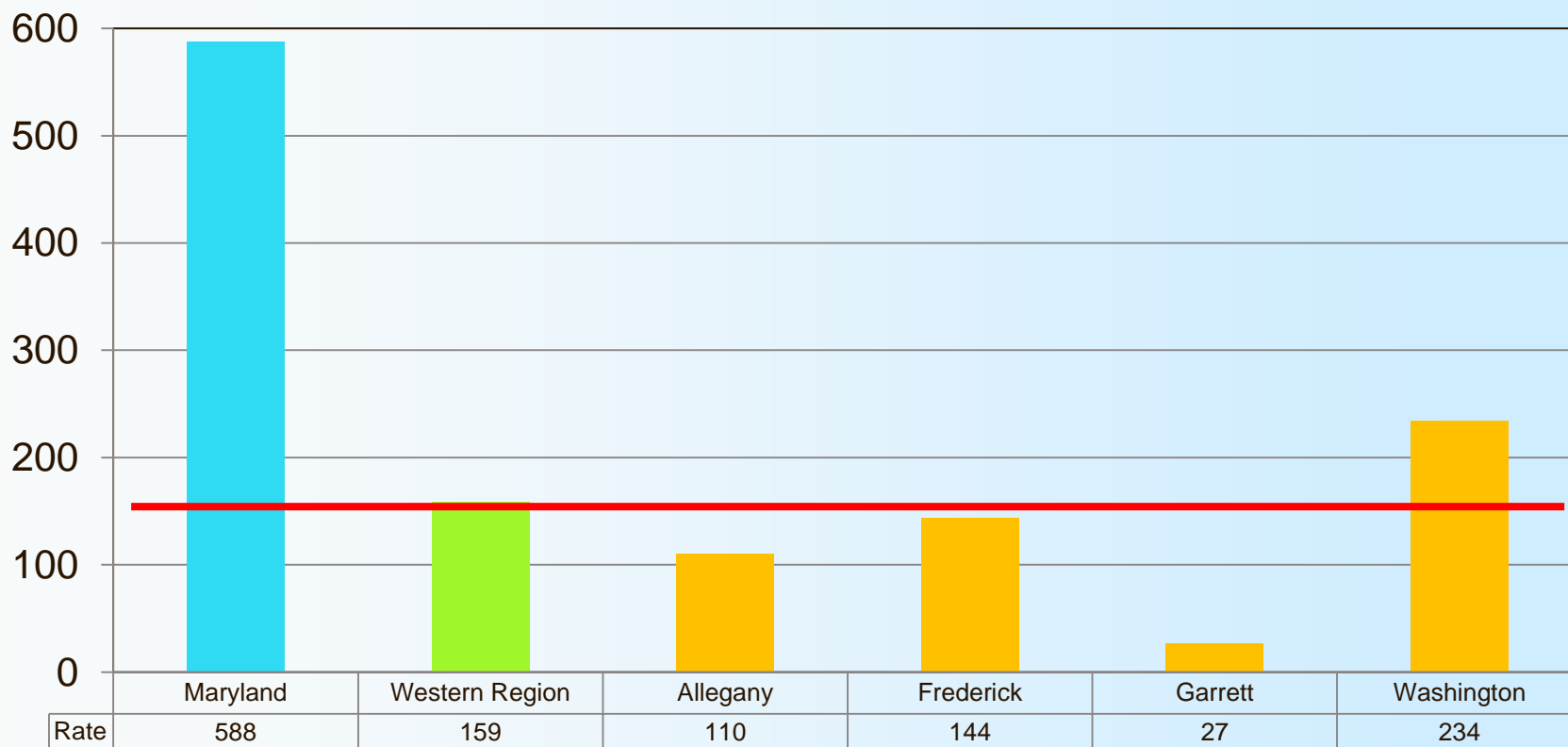
	HIV Diagnoses during 2012	Living HIV Cases on 12/31/2012
Western Region	41	659
Allegany	4	71
Frederick	22	287
Garrett	1	7
Washington	14	294

Using data as reported through 12/31/2013





# Living Adult/Adolescent HIV Case Rates per 100,000 Population by County, Western Region, 12/31/12



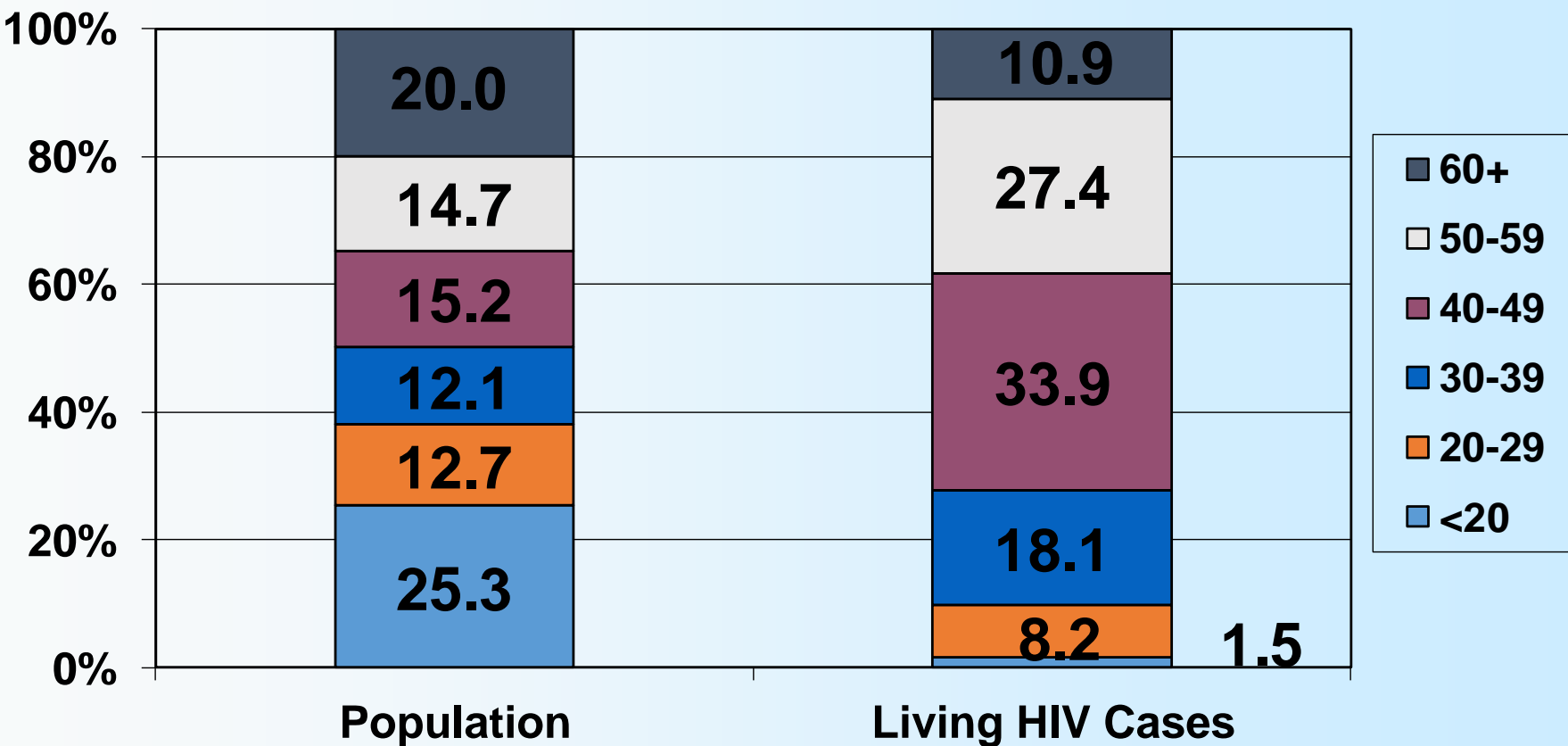
Population on 7/1/12. Cases on 12/31/12  
as reported through 12/31/13

# 2012 STI Cases, Western Region



	Chlamydia	Gonorrhea	P&S Syphilis
Western Region	1,322	137	6
Allegany	194	20	0
Frederick	581	62	3
Garrett	57	0	0
Washington	490	55	3

# Population and Living HIV Cases by Age, Western Region

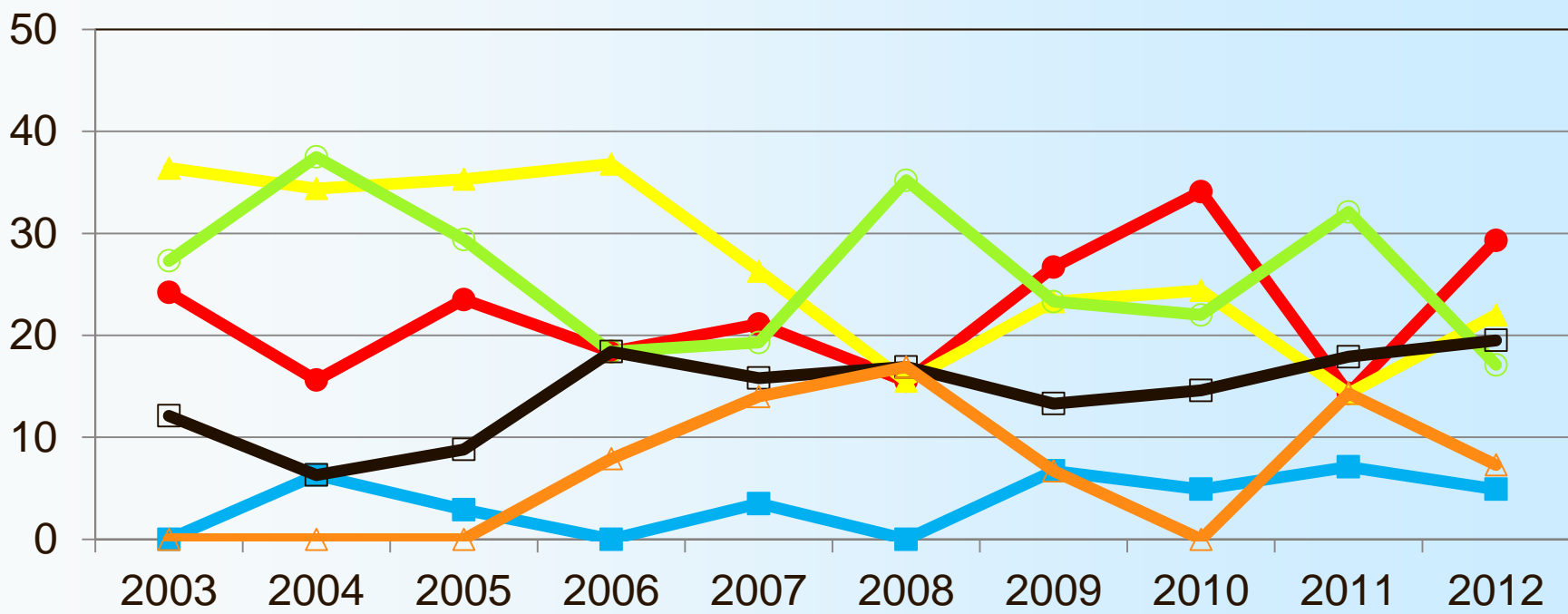


Population on 7/1/12, Cases on 12/31/12  
as reported through 12/31/13

# Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis, Western Region



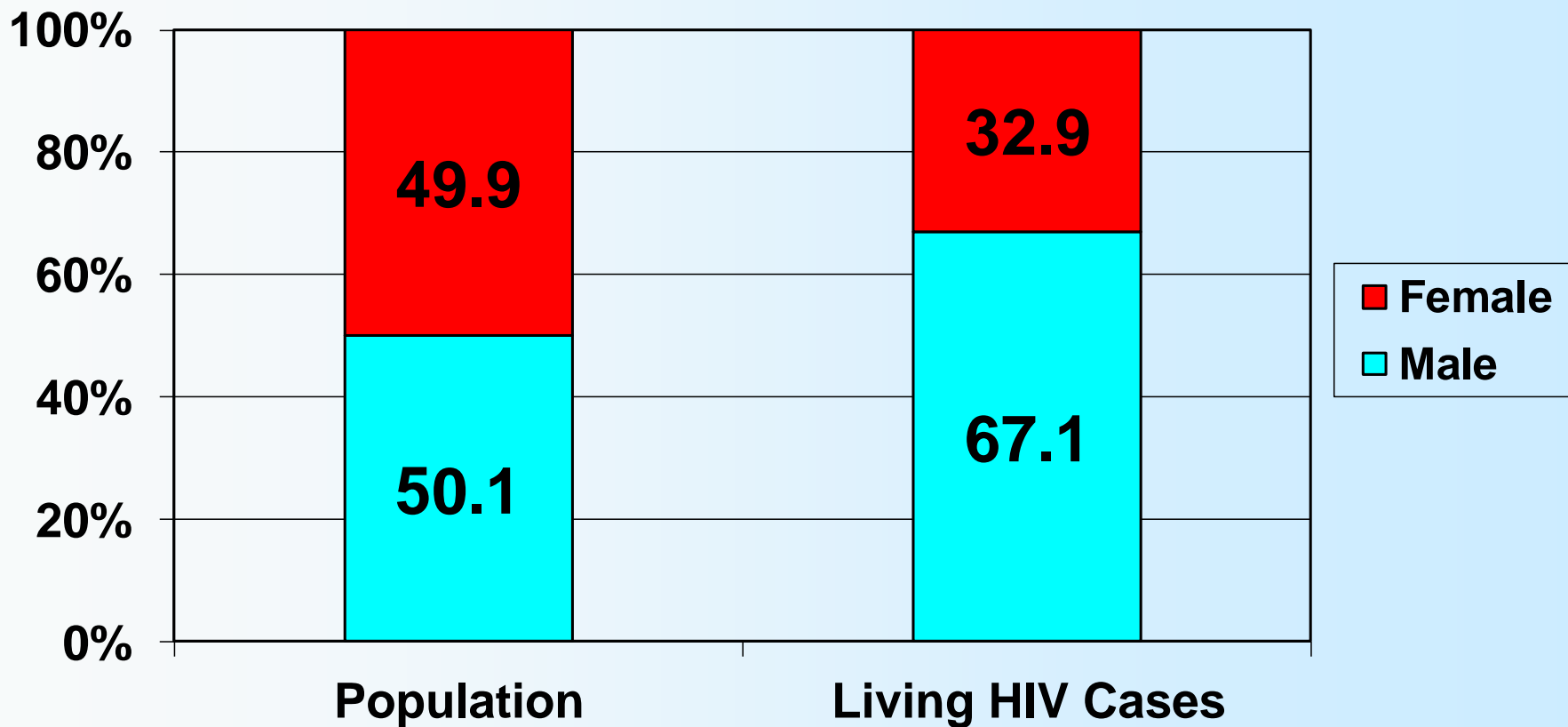
Percent



■ 13-19   
 ● 20-29   
 ▲ 30-39   
 ○ 40-49   
 ■ 50-59   
 ▲ 60+

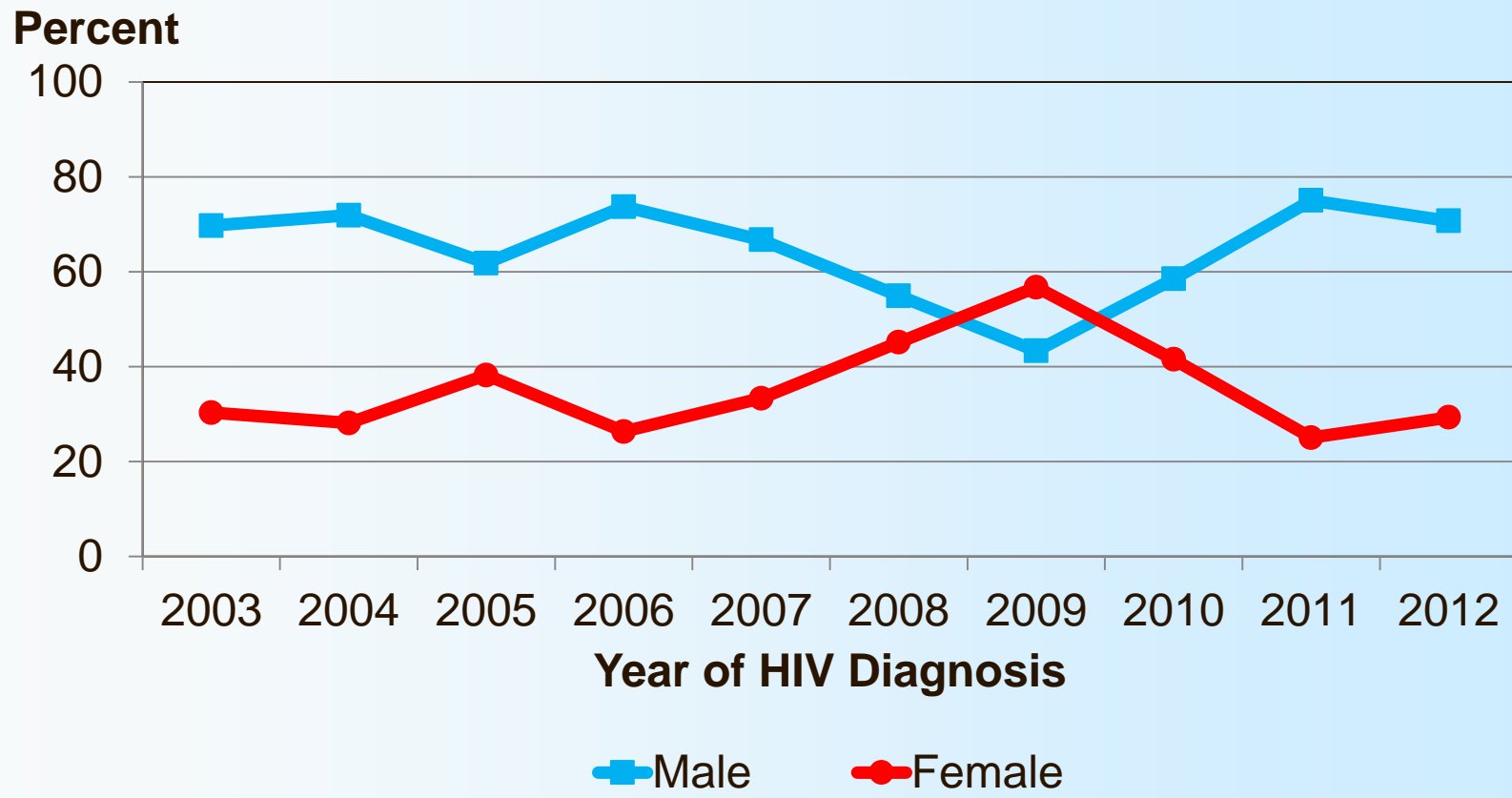
Using data as reported through 12/31/2013

# Adult/Adolescent Population and Living HIV Cases by Sex at Birth Western Region



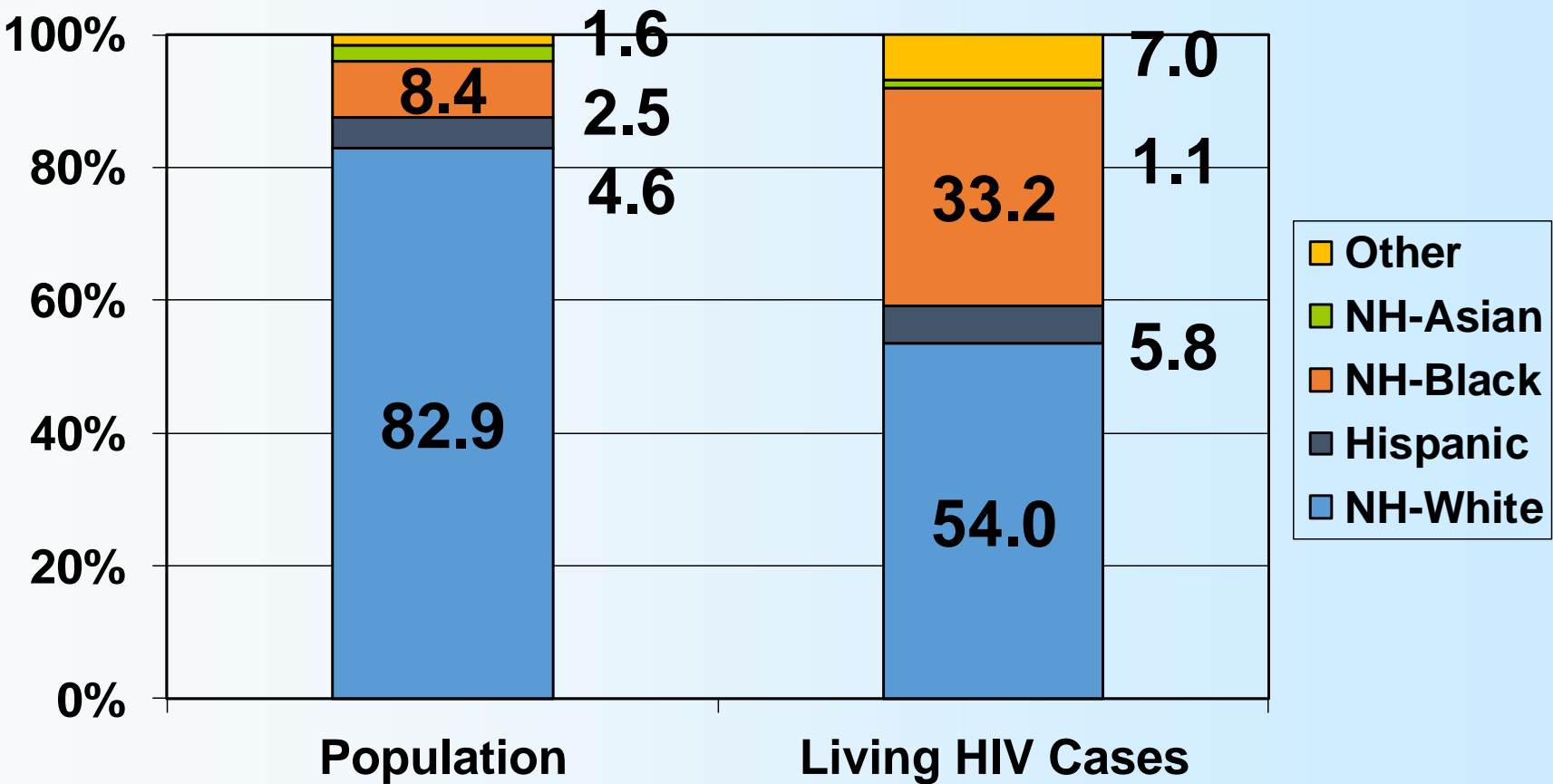
Population on 7/1/12, Cases on 12/31/12  
as reported through 12/31/13

# Adult/Adolescent HIV Diagnosis Trends by Sex at Birth, Western Region



Using data as reported through 12/31/2013

# Adult/Adolescent Population and Living HIV Cases by Race/ Ethnicity, Western Region

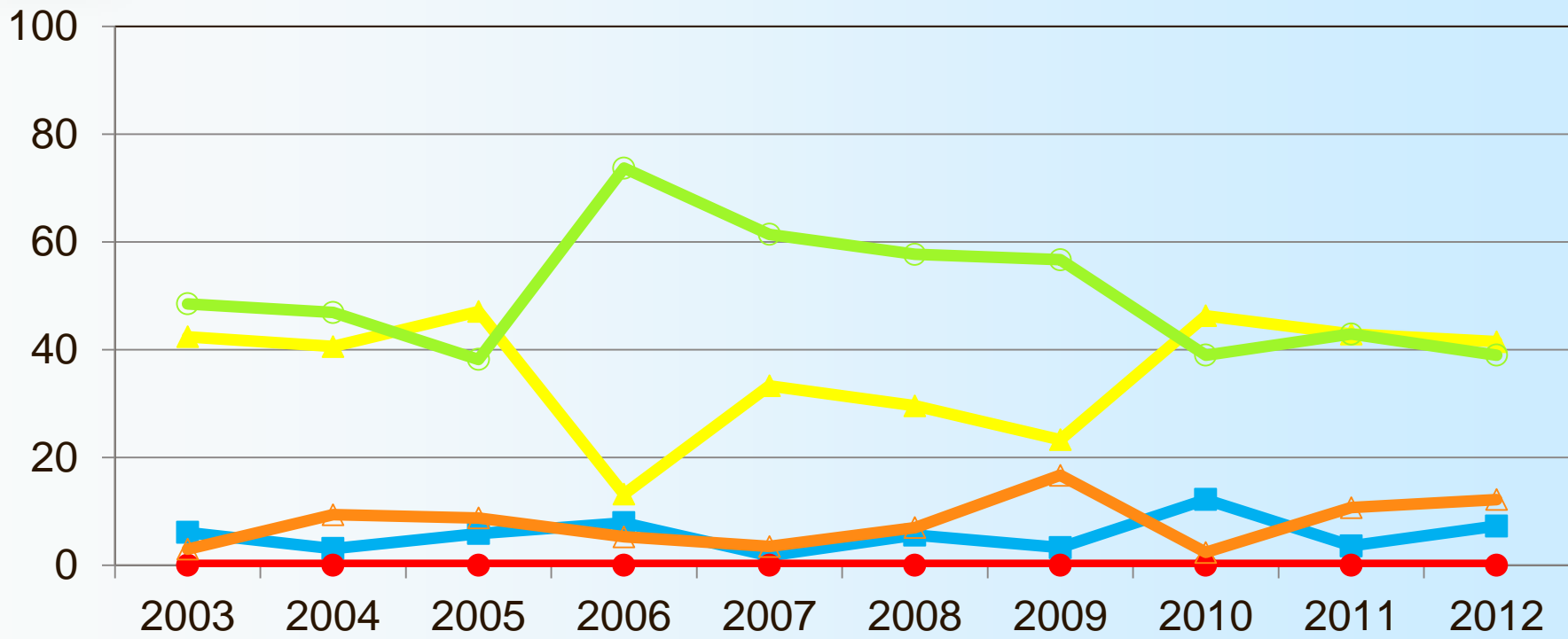


Population on 7/1/12, Cases on 12/31/12  
as reported through 12/31/13

# Adult/Adolescent HIV Diagnosis Trends by Race/ Ethnicity, Western Region



Percent



Year of HIV Diagnosis

■ Hispanic    ● NH-Asian    ▲ NH-Black    ○ NH-White    ▲ NH-Other

Using data as reported through 12/31/2013





# Exposure Categories

**MSM:** Men who have Sex with Men

**IDU:** Injection Drug Use

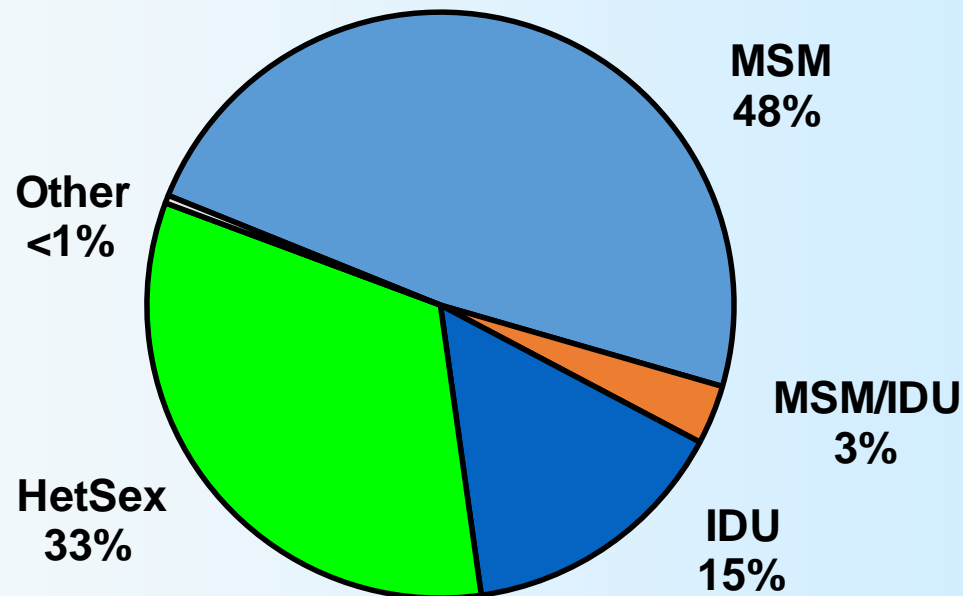
**MSM/IDU:** Men who have Sex with Men AND Inject Drugs

**HetSex:** Heterosexual Contact with a Person that has or is at Risk for HIV Infection



# Living Adult/Adolescent HIV Cases 12/31/12 by Exposure Category, Western Region

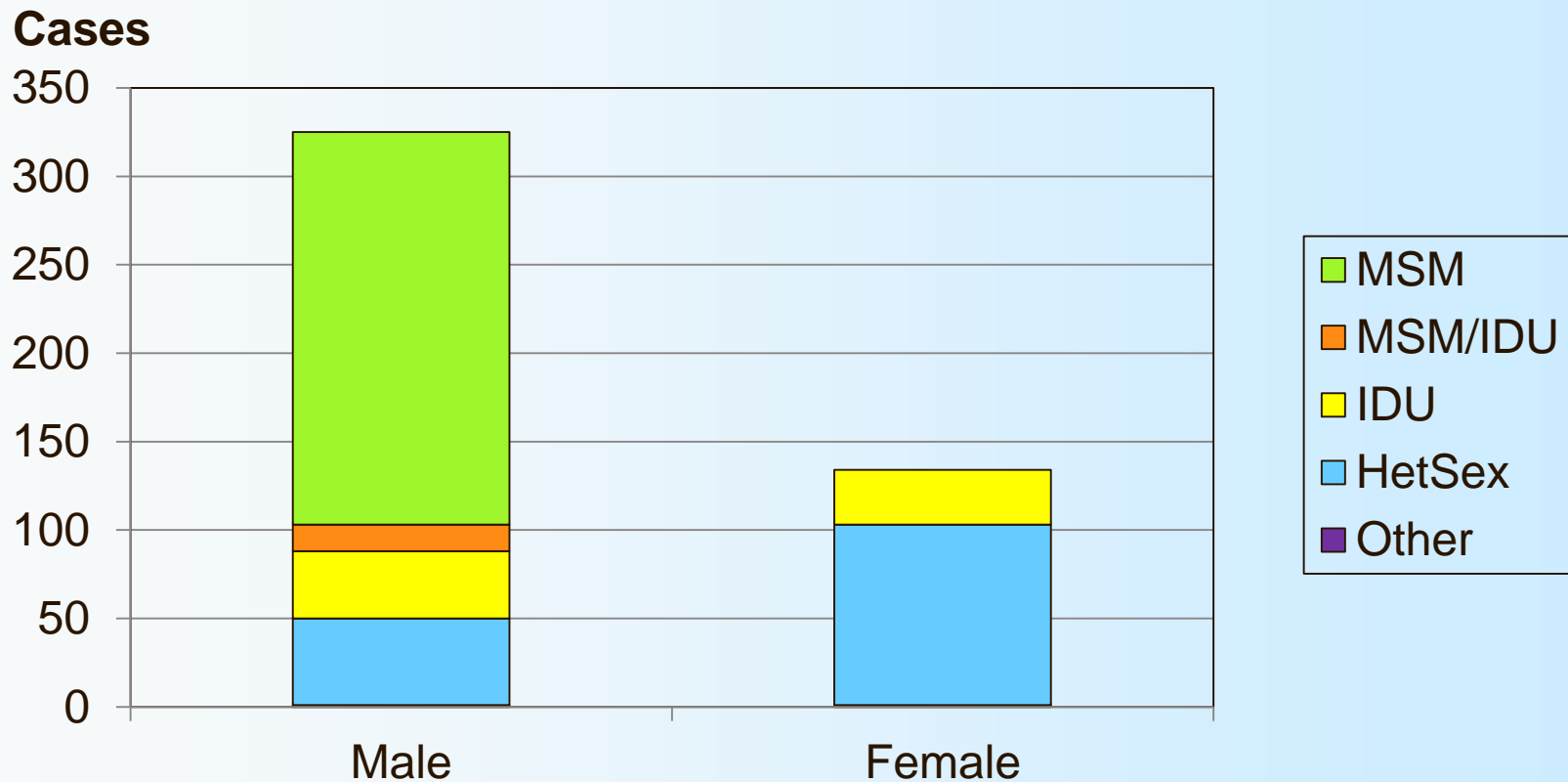
**N (with Risk) = 459 (70% of Total)**



Using data as reported through 12/31/2013



# Living Adult/Adolescent HIV Cases 12/31/12 by Exposure Category and Sex at Birth Western Region

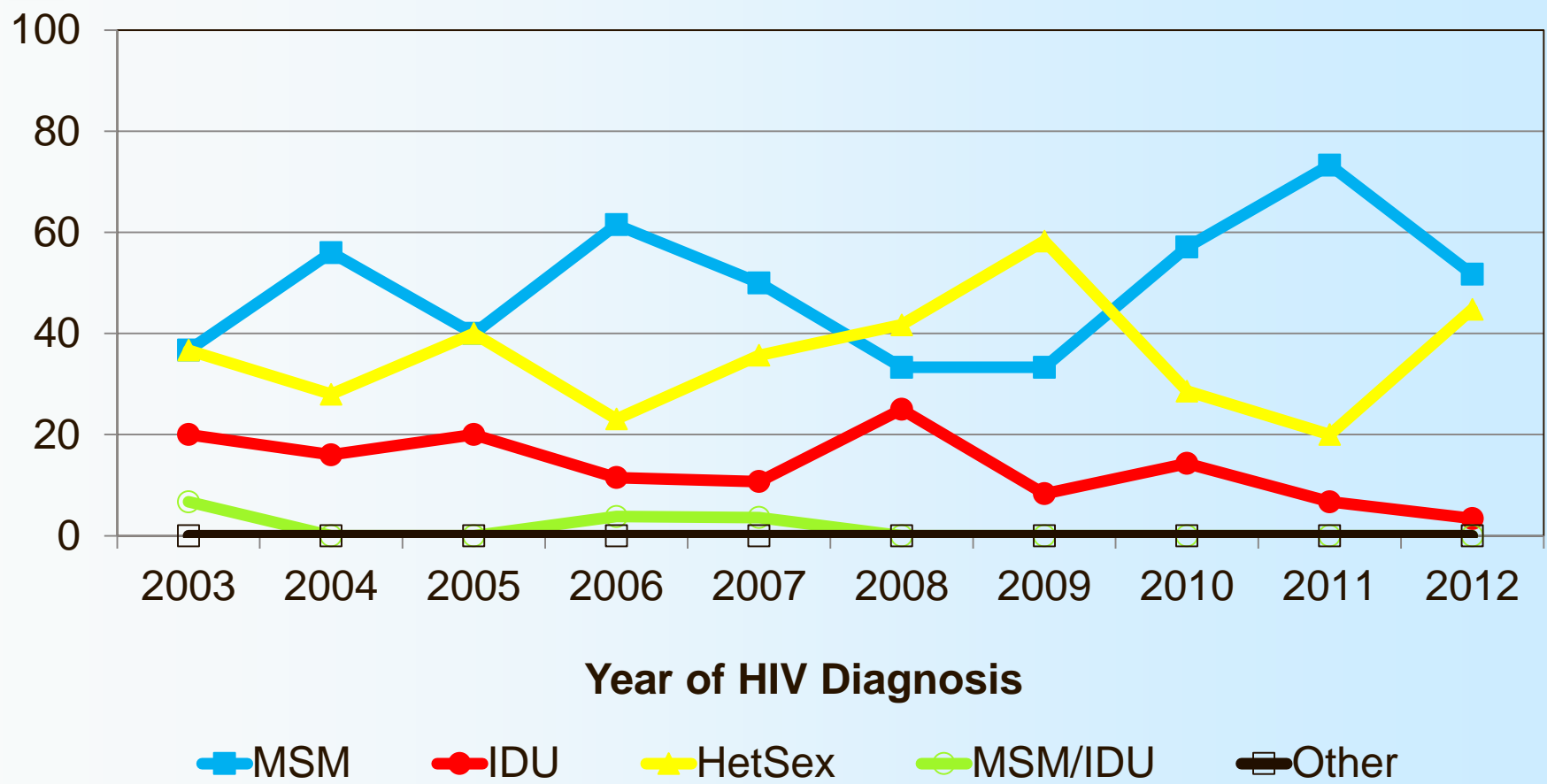


Using data as reported through 12/31/2013

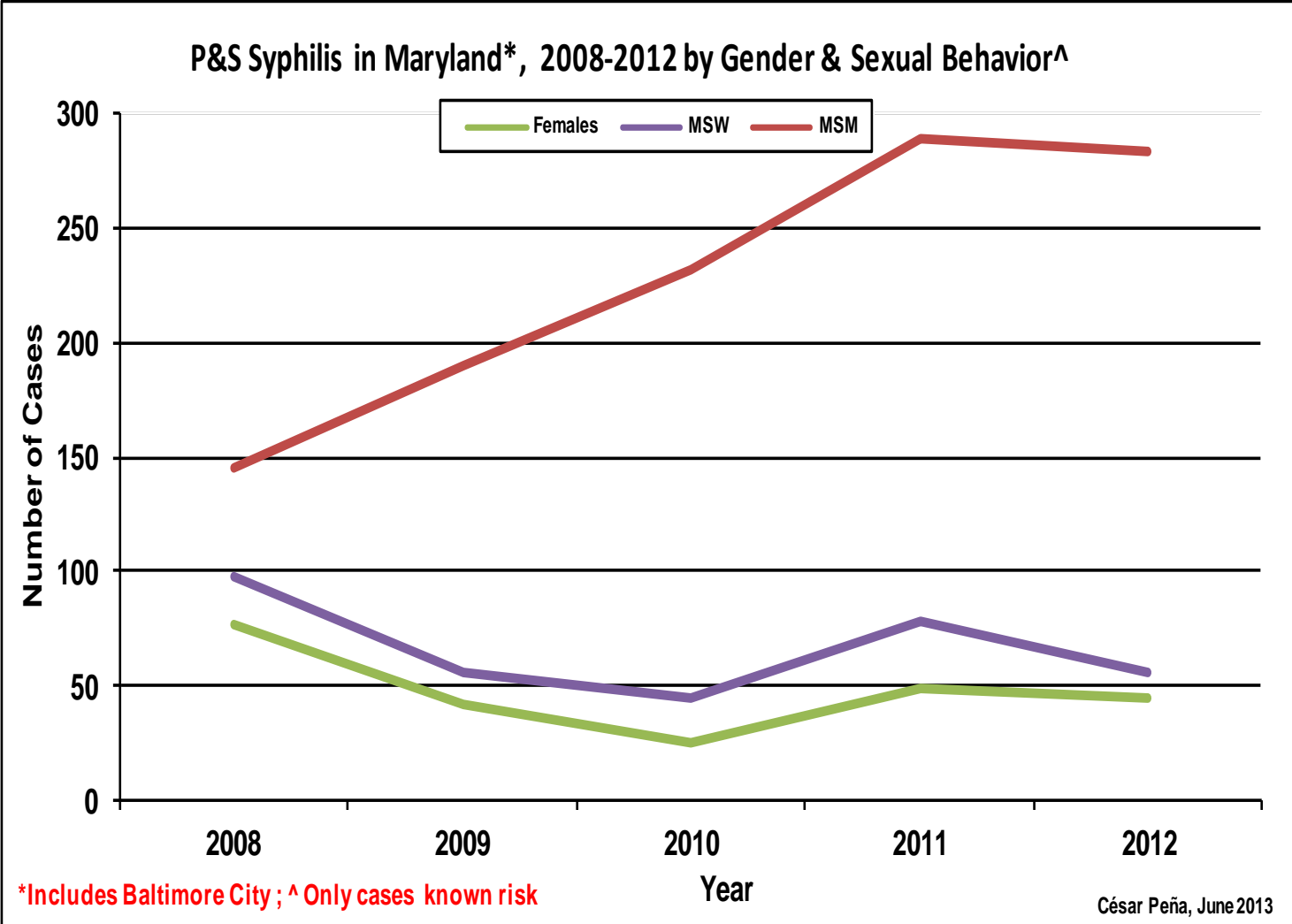
# Reported Adult/Adolescent HIV Diagnoses, Exposure Category Trends, Western Region



Percent



Using data as reported through 12/31/2013

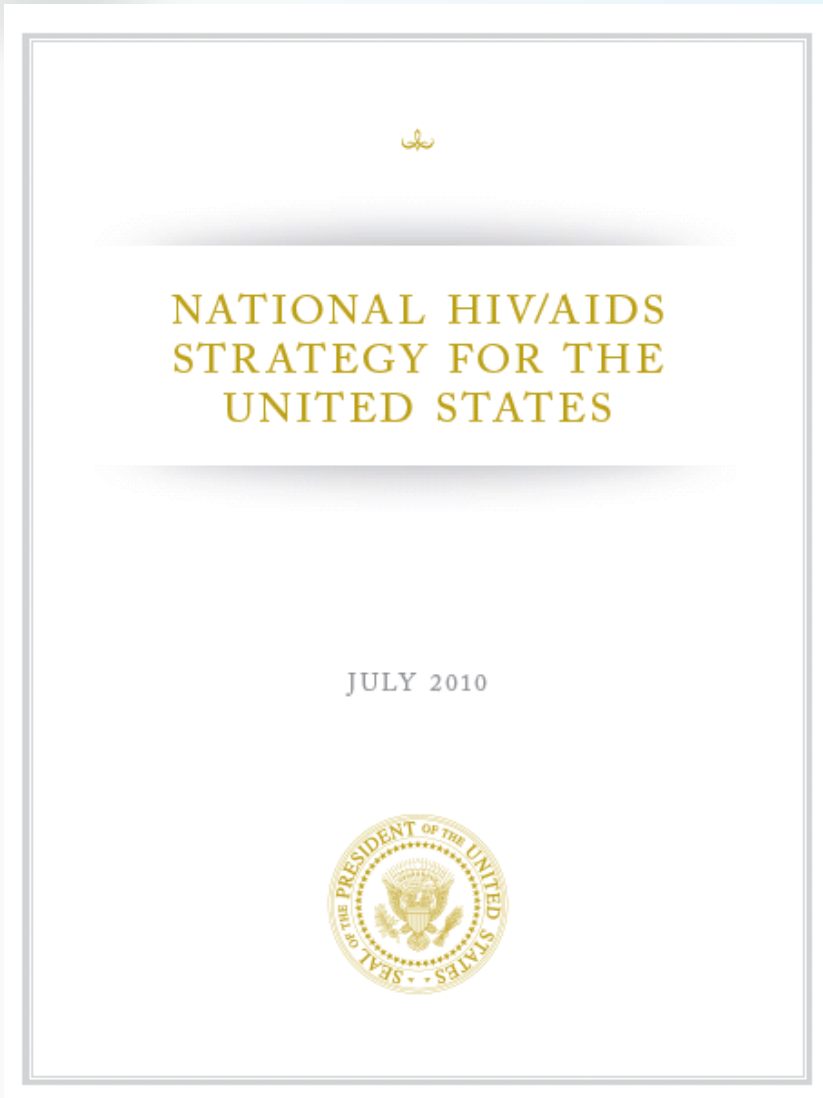


Source: Center for STI Prevention, Maryland DHMH

# NHAS 2010



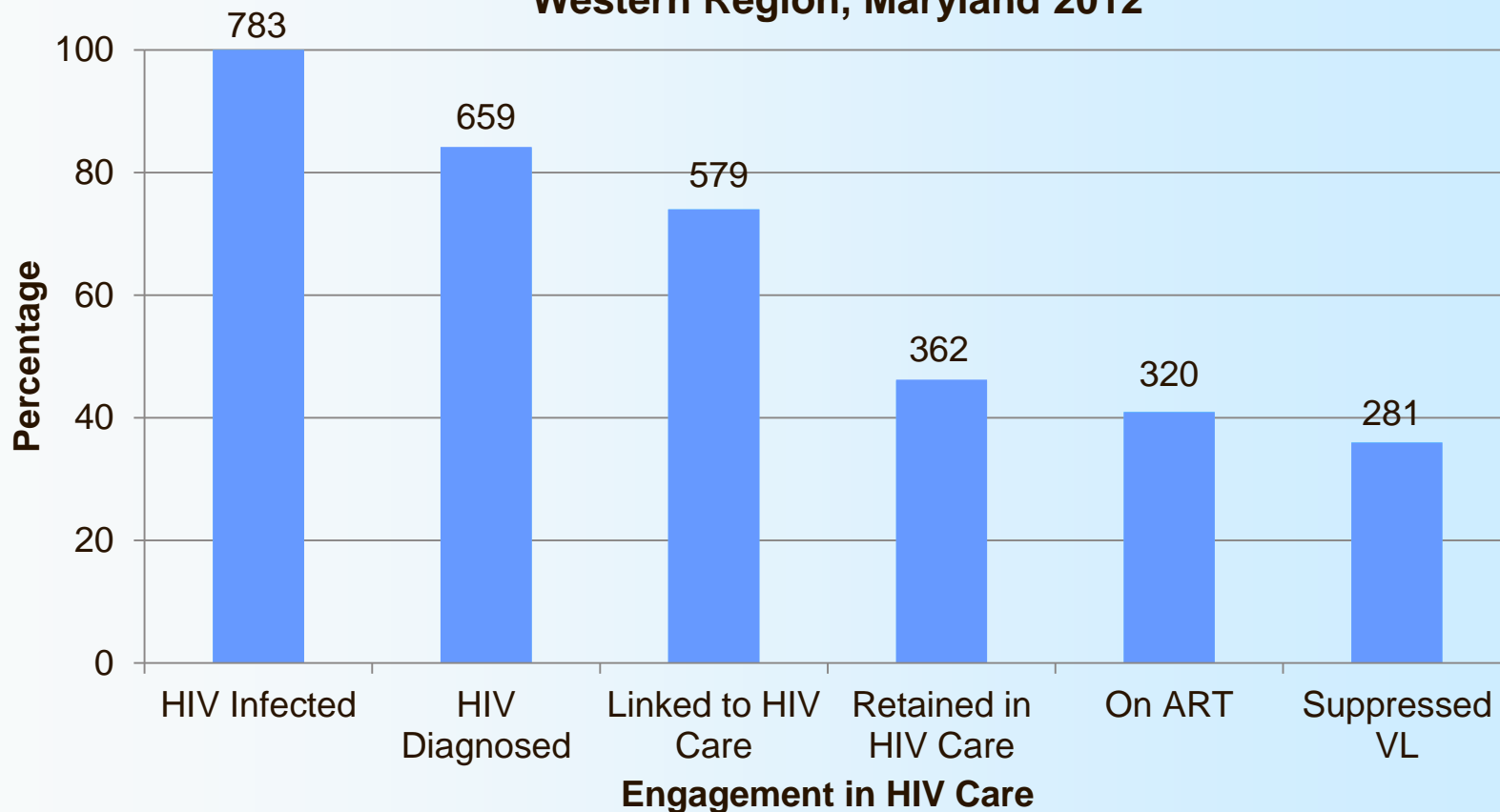
- Reducing new HIV infections
- Increasing access to care and improving health outcomes for people living with HIV
- Reducing HIV-related disparities and health inequities





# Continuum of Care

**Estimated number and percentage of HIV infected adults/  
adolescents engaged in selected stages of the continuum of care,  
Western Region, Maryland 2012**



Using data as reported through 12/31/2013

# HIV Statistics

## Adult/Adolescent Cases

### Western Region



	HIV Diagnoses during 2012	Linked to Care within 3 months of Diagnosis	Living HIV Cases on 12/31/2012	Retained in Care	Viral Suppression
Western	41	87.8%	659	54.9%	42.6%
Allegany	4	100.0%	71	73.2%	50.7%
Frederick	22	90.9%	287	55.1%	42.5%
Garrett	1	0.0%	7	28.6%	28.6%
Washington	14	85.7%	294	51.0%	41.2%

Using data as reported through 12/31/2013





# Regional Summary

# HIV/AIDS in the Western Region



- There were 659 living adult/adolescent HIV cases at the end of 2012
- There were 41 reported adult/adolescent HIV diagnoses during 2012
- Frederick (44%) and Washington (45%) counties had the greatest share of living cases
- Rates of living cases were higher than the Western Region average in Washington and lower in Allegany and Garrett

# HIV/AIDS in the Western Region: Demographics



- Persons 30-59 years old were disproportionately affected (79% vs. 42%), but the proportions were increasing among 50+ year olds
- Males were disproportionately affected (67% of cases vs. 50% of population), and the proportions were unchanged
- Non-Hispanic blacks were disproportionately affected (33% vs. 8%), and the proportions over ten years were unchanged

# HIV/AIDS in the Western Region: Exposure Category



- Sexual transmission predominates (>81%)
  - Homosexual and heterosexual transmission among men
  - Heterosexual transmission among women
  - Proportions were unchanged
- Injection drug use is an important route of transmission (>15%), and the proportion IDU was declining



## **Prevention and Health Promotion Administration**

**<http://phpa.dhmmh.maryland.gov/oideor/chse>**